

What is claimed is:

AMENDMENTS TO THE CLAIMS

A complete listing of all claims in the application is provided below with the requested amendments marked.

1. (original) A magnetic rail brake for a rail vehicle comprising:
 - a magnet supported from the rail vehicle;
 - a guide assembly to guide the magnet for movement in a substantially vertical plane while allowing limited lateral movement; and
 - an extension arm, the extension arm arranged to contact the rail vehicle at a distance from the magnet which is substantially greater than either the maximum extent of vertical movement or the maximum extent of lateral movement of the magnet to thereby reduce tilting of the magnet.
2. (original) The magnetic rail brake according to claim 1, wherein the extension arm is rigidly attached to the magnet and extends generally therefrom.
3. (currently amended) The magnetic rail brake according to ~~either claim 1 or claim 2~~, wherein the extension arm comprises a first stop surface for interacting with the rail vehicle to prevent tilting of the magnet in a first direction.
4. (currently amended) The magnetic rail brake according to claim 3, wherein the extension arm comprises a second stop surface for interacting with the rail vehicle to prevent tilting of the magnet in a second direction opposite to the first direction.
5. (currently amended) The magnetic rail brake according to ~~any of the preceding claim 1s~~, wherein the extension arm extends laterally outwardly away from ~~the a~~ a centreline of the ~~train~~ rail vehicle.
6. (currently amended) The magnetic rail brake according to ~~any of the preceding claim 1s~~, wherein the extension arm extends generally vertically.

7. (currently amended) The magnetic rail brake according to ~~any of the preceding claim~~ 1s, wherein the extension arm comprises two branches extending in different directions.

8. (currently amended) The magnetic rail brake according to ~~any of the preceding claim~~ 1s, wherein the extension arm comprises adjustable stop means.

9. (currently amended) The magnetic rail brake according to ~~any of the preceding claims~~ claim 1, wherein the rail vehicle is provided with adjustable counterstop means.

10. (currently amended) The magnetic rail brake according to ~~any of the preceding claim~~ 1s, further comprising an actuation device causing the magnet to be attracted to ~~the~~ a rail on which the rail vehicle travels.

11. (currently amended) The magnetic rail brake according to ~~any of the preceding claim~~ 10s, further comprising a tilt detection device adapted to prevent actuation of the actuation device on tilting of the magnet by more than a given angle.

12. (currently amended) The magnetic rail brake according to claim 1, wherein the guide ~~means assembly~~ comprises a laterally sliding pivot arranged on the rail vehicle and the ~~guide extension comprises an arm,~~ is rigidly attached to the magnet and ~~extending extends~~ laterally to the sliding pivot whereby the magnet and extension arm can rotate around the pivot and slide laterally with respect to the rail vehicle.

13. (original) The magnetic rail brake according to claim 12, wherein the laterally sliding pivot comprises a profiled slot.

14. (currently amended) The magnetic rail brake according to claim 1, wherein the guide ~~means assembly~~ comprises a pivot arranged on the rail vehicle and the ~~guide extension~~ arm comprises an extendable arm, rigidly attached to the magnet and extending laterally to the pivot whereby the magnet and extension arm can rotate

around the pivot and the extension ~~extendable~~ arm can extend to allow lateral movement of the magnet with respect to the rail vehicle.

15. (currently amended) The magnetic rail brake according to ~~any preceding claim~~ 1, wherein the magnet is constrained to tilt no more than 6° in either direction.

16. (currently amended) The magnetic rail brake according to ~~any preceding claim~~ 1, wherein the magnet is constrained to tilt no more than 3° in either direction.

17. (currently amended) The magnetic rail brake according to ~~any preceding claim~~ 1, wherein the magnet is supported from the rail vehicle by a suspension means device ~~comprises comprising~~ a compression or tension spring.

18. (currently amended) The magnetic rail brake according to ~~any of claims 1 to 13~~ claim 1, wherein the magnet is supported from the rail vehicle by a suspension means device ~~comprises comprising~~ an actuator device.

19. (currently amended) A method of controlling the maximum permitted tilt of a magnet in a magnetic rail brake, the magnet being arranged for vertical and lateral movement, comprising ~~rigidly~~ attaching an extension arm to the magnet and controlling the movement of the end of the extension arm distant from the magnet, the length of the extension arm being substantially greater than either the maximum extent of vertical movement or the maximum extent of lateral movement of the magnet, to thereby control tilting of the magnet.

20. (cancelled)

21 (new) A rail vehicle movable along a rail, the rail vehicle comprising:
a magnet supported from the rail vehicle in close proximity to the rail;
a guide assembly for guiding the magnet for movement in a first
direction towards and away from the rail while allowing limited lateral
movement in a second direction;
an actuator for causing movement of the magnet in the first direction;
and

an extension arm extending from the magnet, the extension arm arranged to contact the rail vehicle at a distance from the magnet which is substantially greater than the maximum extent of movement of the magnet in either the first or second directions thereby reducing tilting movement of the magnet.